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मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5095 (1998): End locating plugs [PGD 2: Machine Tool Elements and Holding Devices]



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Satyanarayan Gangaram Pitroda

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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक
एंड लोकेटिंग प्लग — विशिष्टि
(पहला पुनरीक्षण)

Indian Standard
END LOCATING PLUGS — SPECIFICATION
(*First Revision*)

ICS 25.060.20

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

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Price Group 1

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Machine Tool Elements and Holding Devices Sectional Committee had been approved by the Production Engineering Division Council.

This standard was first issued in 1969 and the present revision of the standard has been taken up to incorporate the latest manufacturing practices prevalent in the industry. Following are the specific changes:

- a) The title of the standard has been changed from 'Dimensions for end locating plugs' to 'End locating plugs — Specification'.
- b) The surface finish has been indicated according to latest practice.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS 2:1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

END LOCATING PLUGS — SPECIFICATION (First Revision)

1 SCOPE

This standard specifies general requirements and dimensions for end locating plugs.

2 REFERENCES

The following Indian Standard contain provisions which through reference in this text, constitute provision of this standard. At the time of publication, the edition indicated were valid. All standards are subject to revisions, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
2102 (Part 1) : 1993	General tolerances for dimensions and form and position : Part 1 General tolerances (<i>second revision</i>)
4432 : 1988	Case hardening steels (<i>first revision</i>)

3 MATERIAL

End locating plugs shall be manufactured from case hardening steels (*see* IS 4432). The hardness shall be greater than 59 HRC and the case depth shall be between 0.3 to 0.5 mm.

4 HARDNESS

End locating plugs shall be case hardened to a depth of 8.3 to 0.5 mm and the hardness shall be 60 HRC.

5 DIMENSIONS

5.1 The dimensions of end locating plugs shall be as given in Table 1.

5.2 The dimensional deviations for untoleranced dimensions shall be of coarse class tolerances in accordance with IS 2102 (Part 1).

6 FINISH

The end locating plugs shall be free from cracks, burrs and other defects.

7 DESIGNATION

End locating plugs shall be designated by diameter, D and height h_2 and the number of this Indian Standard.

Example:

An end locating plug of diameter $D = 20$ mm; and height $h_2 = 45$ mm shall be designated as:

End locating plug IS 5095 20 45.

8 MARKING

8.1 The end locating plugs shall be marked with designation and manufacturers' name or trade-mark.

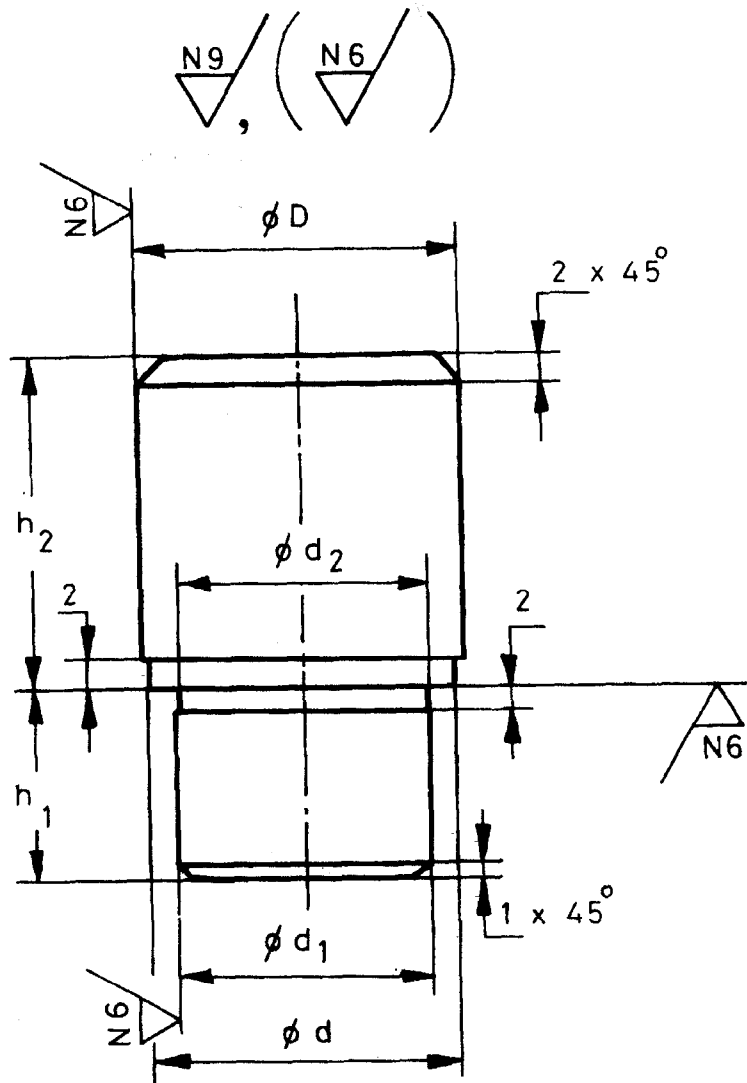
8.2 BIS Certification Marking

The product may also be marked with the Standard Mark.

8.2.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and rules and regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

Table 1 Dimensions for End Locating Plugs

(Clause 5.1)



All dimensions in millimetres.

ϕD h_6	ϕd	ϕd_1 P_6	ϕd_2	h_1	h_2
16	15	12	11.5	12	16
					25
					40
20	19	16	15.5	15	20
					32
					45
25	24	20	19.5	18	25
					40
					60
32	31	25	24.5	22	40
					63
40	39	32	31.5	25	50
					80

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This Indian Standard has been developed from Doc : No. PE 02 (169).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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